

Declassified in Part - Sanitize	d Copy A	pproved for Release 2012/08/30 : CIA-RDP79B00873A0018000	)20051-8 <1
			25X1
		Copy 7	
HEMORANDUM	FOR: D	eputy Director of Central Intelligence	
THROUGH	Ð	xecutive Director-Comptroller Firector, Office of Planning, Programming & Budgeting Ssistant Deputy Director for Intelligence	
SUBJECT	: R	equest for Approval to Contract for the Design and Fabrication of a Dual Format Data Block Reader with Fairchild Space & Defense Systems Division at a Cost of from FY-1972 R&D Funds	25x1
nent of R&B request is  2. The through MSC with provide exploitation The Center support to and maintain a back-up en	funds stated e Natio ID f8 a ing the n of ph is also the int ning th ohemeri	randum requests approval for the commit- for an NPIC contract. The specific in paragraph nine.  nal Photographic Interpretation Center, nd the National Tasking Plan, is charged most effective, timely, and economic otography and remote sensory products. charged with providing certain additional elligence community, such as updating e National Pata Base and maintaining s capability. The manual, October 1970, PIC will maintain a back-up capability	25X1 25X1
to the Miss: the MPR can ephemeris as from the	ion Per not be nd fram his inf	formance Report (MPR). In the event made available, MPIC will develop a data hased on telemetry tapes provided and actual film ormation will then be made available	25X1
up data" red bility has a indicate the not centain	quireme recentl at the the ti	C has been aware of this general back- nt for quite some time, a new responsi- y been introduced. Latest reports MPR, which precedes each mission, will me data readout required for data reduc- g Camera System in the	25X1
GROUP 1 Excluded from automatic	·	TOD Croper	25X1 

Declassified in Part - Sanitized Copy Approved for Release 2012/08/30 : CIA-RDP79B00873A001800020051-8

<b>Declass</b>	sified in Part	- Sanitized (	Copy Appro	oved for Releas	se 2012/08/30:	CIA-RDP	79B00873 <i>A</i>	0018000	20051-8	Х1
				IUI UL	UIIL I	a 1				•

25X1

SUBJECT: Request for Approval to Contract for the Design and Fabrication of a Dual Format Data Block Reader with Fairchild Space & Defonse Systems Division at a Cost from FY-1972 R&D Funds

25X1

this information is contained only in the binary data block recorded on the film. Therefore, it will be necessary for NPIC to read the time data from each frame of Stellar/Terrain photography after receipt of the film in the Center. This information will enable NPIC to:

a. Accurately update the National Data Base.

b. Provide Center components with precise data

for positioning targets.

c. Provide the mapping community with data of the accuracy required in charting and mapping.

In this regard, the main camera system time readout (which is included in the MPR) will not suffice for the Mapping Camera System since the two systems are separately operated, and it is possible that the conjugate imagery can have as much as 1000, or as little as 00, common coverage between the terrain camera and the main panoramic cameras:

- Investigation into the process of manually providing this readout has shown that, for the 4000 frames of information involved, it may be possible (through interpolation) to provide this data within one working week. However, the inherent accuracy provided by the attitudinal system (time readout to 0.1 millisecond) connot be maintained through an interpolation of the data. Additionally, approval has now been granted to replace the 3400 type film with ultrathin base film in the fourth stellar/terrain package; this will increase the frame count from approximately 4000 frames to approximately 7000 frames -- virtually an impossible task for manual readout. It is anticipated that Center operations will require, and make the utwost use of, this refined accuracy inherent in the Stellar/Terrain system, as it will furnish target positional information an order of magnitude more accurate than current systems. Additionally, the Mapping, Charting and Geodetic (MCG) groups in the intelligence community will use the data for position refinement in their exploitation.
- 5. The proposed Dual Format Data Block Reader (DFR) will provide the capability of rapidly and accurately reading time data from both the stellar and terrain camera formats

\_25x1

	TOP SECRET
SUBJECT:	Request for Approval to Contract for the Design and Fabrication of a Dual Format Data Block Reader with Fairchild Space & Defense Systems Division at a
	Cost from FY-1972 R&D Funds
the data i	This electromechanical device will read erom either of two predetermined formatson nega-
tive, or p	positive film while the film is transported at a
rate of 12	l inches per second. The EFR will locate, read.
organize,	and place the data on magnetic tapewith appro-
the NPIC	cognition patterns for subsequent processing by central computer. The data from the stellar data
block will	l be combined with that from the terrain data block
in the NPI	C computer and, in turn, integrated with the
ATTEFFNO .	
	PR of the mission. An operator will be able to
select a movercise of a minimum	sode of operation, initiate signals, monitor, and controls through the front panel assembly of the DFR. The effort is felt to be fairly straightforward with of technical risk involved due to the fact that
select a moderate and a minimum the select readers for the EH-4A and a moderate and a material r	sode of operation, initiate signals, monitor, and controls through the front panel assembly of the DFR. The effort is felt to be fairly straightforward with of technical risk involved due to the fact that ted contractor has, in the past, built similar or the Center. The first reader was built to accommoda data block, while the second handles both the KH-4B
select a moderate and a minimum the select readers for the EH-4A and a moderate and a material r	controls through the front panel assembly of the DFR.  The effort is felt to be fairly straightforward with of technical risk involved due to the fact that ted contractor has, in the past, built similar or the Center. The first reader was built to accommoda data block, while the second handles both the KH-4B Investization of the second reader to handle revealed that it would be more expensive to modify
select a moderate oxercise of a minimum the select readers for the EH-4A late a moderate is a material	controls through the front panel assembly of the DFR.  The effort is felt to be fairly straightforward with of technical risk involved due to the fact that ted contractor has, in the past, built similar or the Center. The first reader was built to accommoda data block, while the second handles both the KH-4B Investigation of the second reader to handle revealed that it would be more expensive to modify ing equipment than to build a new reader specifically the contractor has offered NPIC two optional approaches
select a moderate oxercise of a minimum the select readers for the EH-4A unto a moderate oxisti	controls through the front panel assembly of the DFR.  The effort is felt to be fairly straightforward with of technical risk involved due to the fact that ted contractor has, in the past, built similar or the Center. The first reader was built to accommoda data block, while the second handles both the KH-4B Investigation of the second reader to handle revealed that it would be more expensive to modifying equipment than to build a new reader specifically five contractor has offered MPIC two optional approaches first option, the contractor will build the reader
select a moder the EM-4A and supply	controls through the front panel assembly of the DFR.  The effort is felt to be fairly straightforward with of technical risk involved due to the fact that ted contractor has, in the past, built similar or the Center. The first reader was built to accommodate block, while the second handles both the KH-4B investigation of the second reader to handle revealed that it would be more expensive to modify ing equipment than to build a new reader specifically for contractor has offered MPIC two optional approaches first option, the contractor will build the reader both the magnetic tape drive and the printer.
select a moder the EM-4A and supply under the and supply under the existi	controls through the front panel assembly of the DFR.  The effort is felt to be fairly straightforward with of technical risk involved due to the fact that ted contractor has, in the past, built similar or the Center. The first reader was built to accommodate block, while the second handles both the KH-4B investigation of the second reader to handle revealed that it would be more expensive to modify ing equipment than to build a new reader specifically the contractor has offered NPIC two optional approaches first option, the contractor will build the reader both the magnetic tape drive and the printer.  Second option, the contractor would supply only the
select a moderate select a minimum the select readers for the EH-4A throa moderate and supply Under the and supply Under the reader; the printer and supply the select the selec	controls through the front panel assembly of the DFR.  The effort is felt to be fairly straightforward with of technical risk involved due to the fact that ted contractor has, in the past, built similar or the Center. The first reader was built to accommoda data block, while the second handles both the KH-4B Investization of the second reader to handle revealed that it would be more expensive to modifying equipment than to build a new reader specifically first option, the contractor will build the reader both the magnetic tape drive and the printer. Second option, the contractor would supply only the me magnetic tape drive and its electronics, and the magnetic tape drive and its electronics.
select a moderate of a minimum the select readers for the EH-4A and a moderate and supply under the and supply under the reader; the printer and The second	controls through the front panel assembly of the DFR.  The effort is felt to be fairly straightforward with of technical risk involved due to the fact that ted contractor has, in the past, built similar or the Center. The first reader was built to accommoda data block, while the second handles both the KH-4B investization of the second reader to handle revealed that it would be more expensive to modify ing equipment than to build a new reader specifically first option, the contractor will build the reader both the magnetic tape drive and the printer. Second option, the contractor would supply only the me magnetic tape drive and its electronics, and the magnetic tape drive and its electronics, and the data sociated electronics would be supplied as GFE. I option is the most desirable. First, it saves
select a moderate of a minimum the select readers for the EM-4A and a moderate existing the exis	controls through the front panel assembly of the DFR.  The effort is felt to be fairly straightforward with of technical risk involved due to the fact that ted contractor has, in the past, built similar or the Center. The first reader was built to accommodate block, while the second handles both the KH-4B investigation of the second reader to handle revealed that it would be more expensive to modify ing equipment than to build a new reader specifically first option, the contractor will build the reader both the magnetic tape drive and the printer. Second option, the contractor would supply only the magnetic tape drive and its electronics, and the magnetic tape drive and its electronics, and the dassociated electronics would be supplied as GFE. I option is the most desirable. First, it saves and second, the equipment can readily be supplied
select a month of the select readers for the EM-4A and supply under the reader; the reader; the printer and second as GFE usi	The effort is felt to be fairly straightforward with of technical risk involved due to the fact that ted contractor has, in the past, built similar or the Center. The first reader was built to accommodate block, while the second handles both the KH-4B investigation of the second reader to handle revealed that it would be more expensive to modifying equipment than to build a new reader specifically both the magnetic tape drive and the printer. second option, the contractor will build the reader to be magnetic tape drive and the printer. second option, the contractor would supply only the magnetic tape drive and its electronics, and the magnetic tape drive and its electronics.
select a moderate of a minimum the select readers for the EM-4A and a moderate and supply under the and supply under the reader; the printer and The second as GFE using the conditions one of the conditions of the conditi	controls through the front panel assembly of the DFR.  The effort is felt to be fairly straightforward with of technical risk involved due to the fact that ted contractor has, in the past, built similar or the Center. The first reader was built to accommodate block, while the second handles both the KH-4B investigation of the second reader to handle revealed that it would be more expensive to modify ing equipment than to build a new reader specifically first option, the contractor will build the reader both the magnetic tape drive and the printer. Second option, the contractor would supply only the magnetic tape drive and its electronics, and the magnetic tape drive and its electronics, and the dassociated electronics would be supplied as GFE. I option is the most desirable. First, it saves and second, the equipment can readily be supplied

eclassified in	n Part - Sanitiz	ed Copy Approved fo	r Release 2012/0	8/30 : CIA-RDP79	B00873A001800020	0051-8 x1
· · · · · · · · · · · · · · · · · · ·						25X1
st	UBJECT: R	equest for Appr Fabrication of Fairchild Spec Cost	a Dual Forme & Dofense	est Data Bloc	k Reader with sion at a	25X1
fo Re	egotiate a or the des	is requested to contract with ign and fabrica cost not to ex	Fairchild Spain of a Di	pace and Defe	nse Systems ta Block	25X1
	· •			LUMDANI.		
•		National		ector : Interpretat	ion Center	
C	1. Propo 2. Form ONCUR:		Director for	· Intelligenc	e Dato	
A	PPROVED:	Deputy Virector	of Central	Intelligence	en	<del>- Negari</del> ngu
	2 - 3 - 5 - 768 - 769 -	n: NPIC/SS/SCOPB ( UDCI ER Exec. Dir-Compt PPB ADDI NPIC/ODIT NPIC/TSG NPIC/TSG/RED		<b>701)</b>		
N	PIC/TSG/RE	D/SDB/		(22 July 19	971)	25X1
						25X1
			OP SECRET			

Declassified in Part - Sanitized Copy Approved for Release 2012/08/30 : CIA-RDP79B00873A001800020051-8